

Figure 1

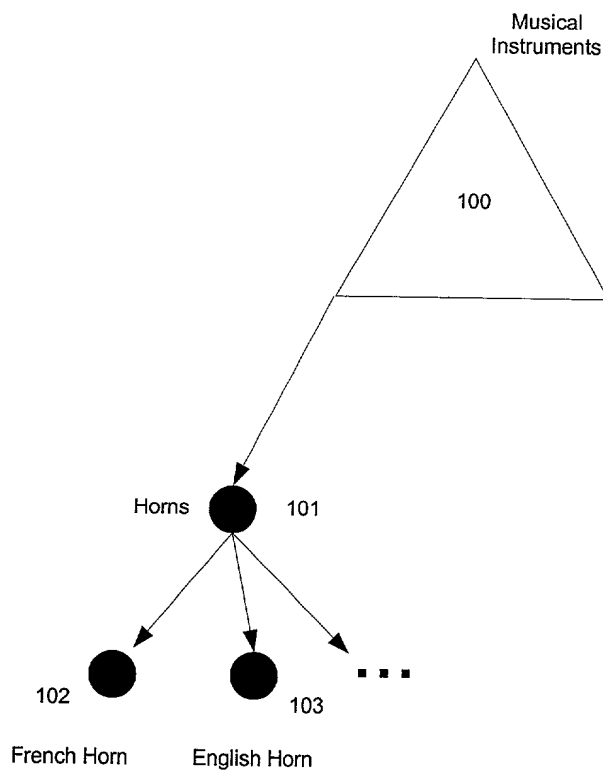


Figure 2

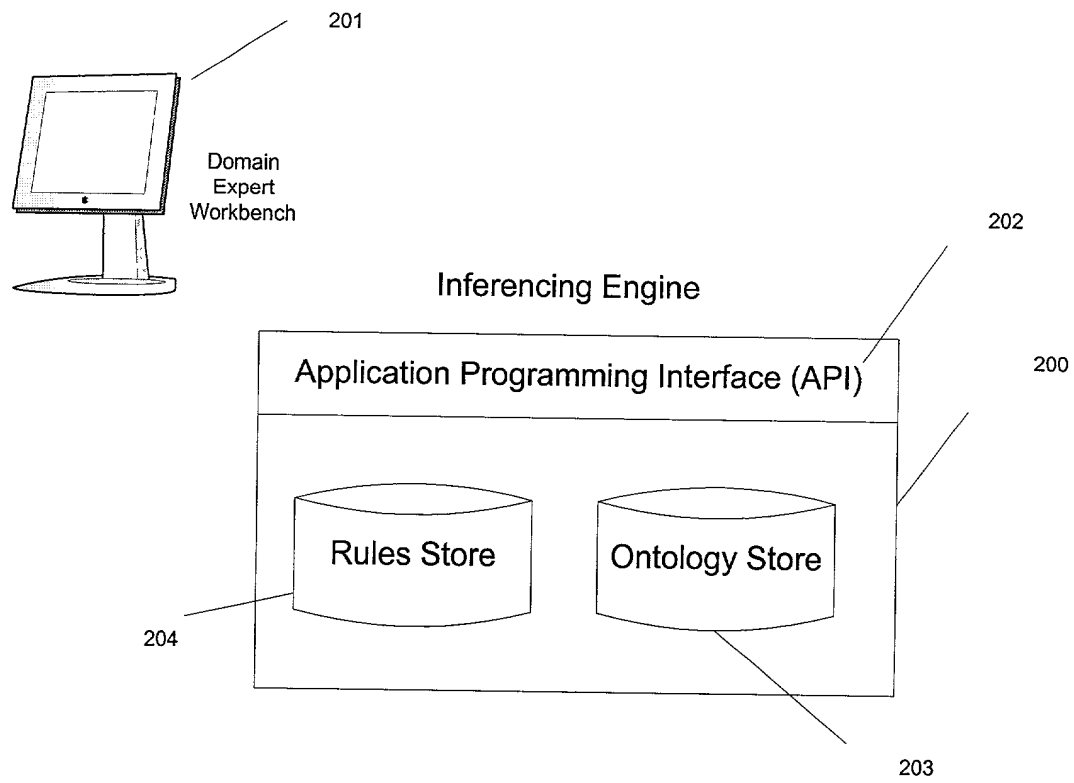


Figure 3

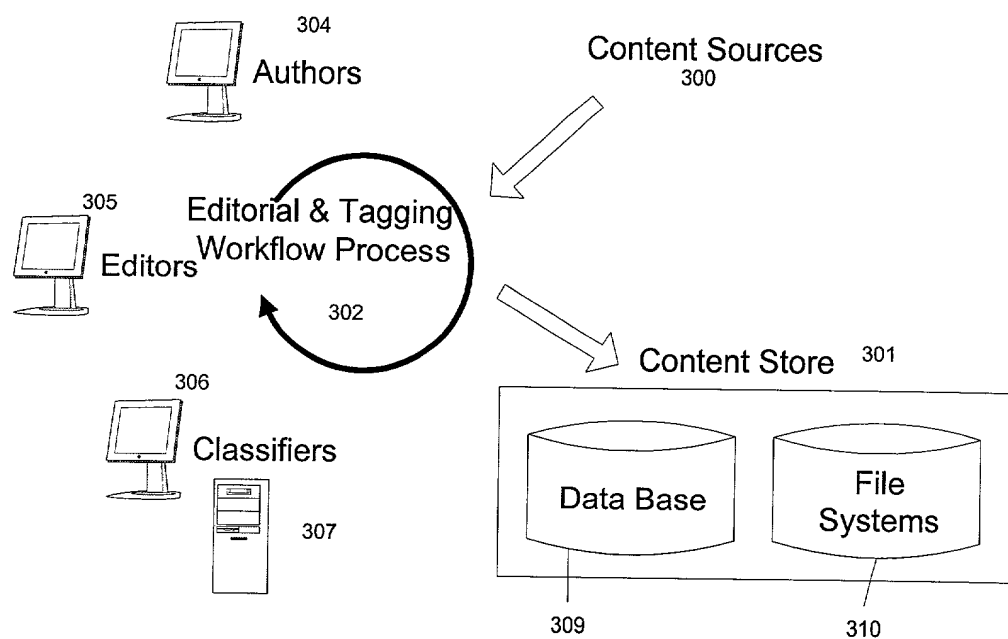


Figure 4

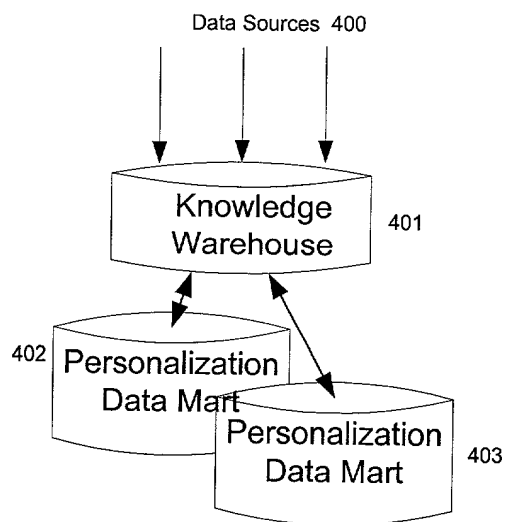


Figure 5

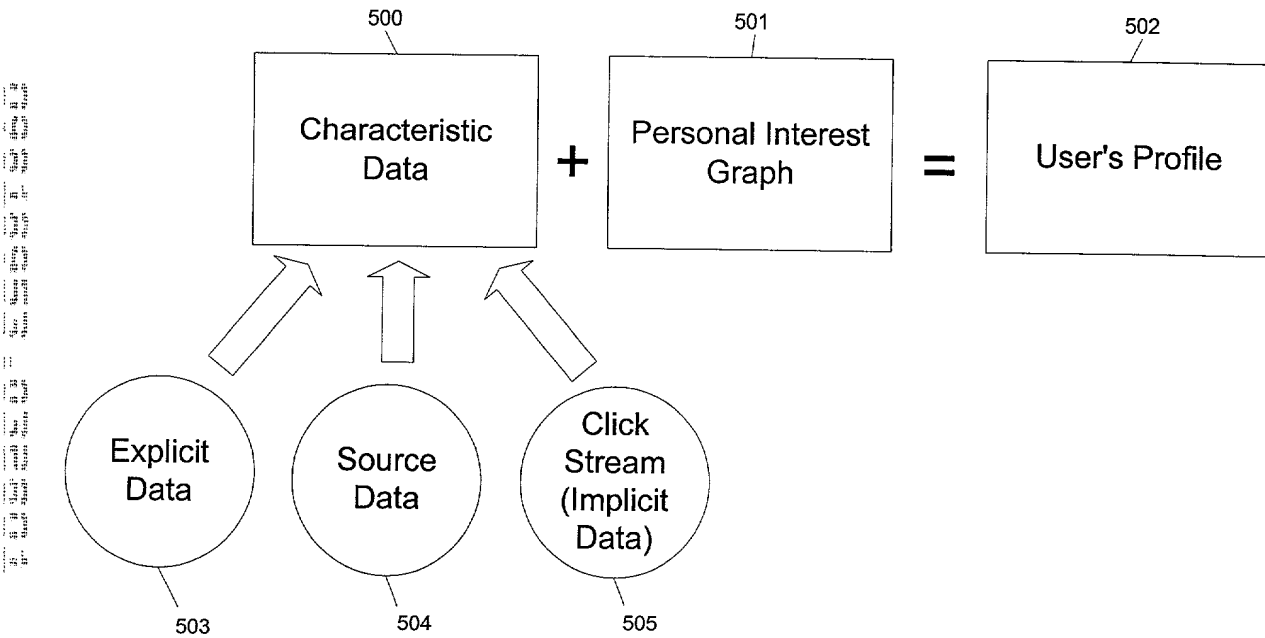


Figure 6

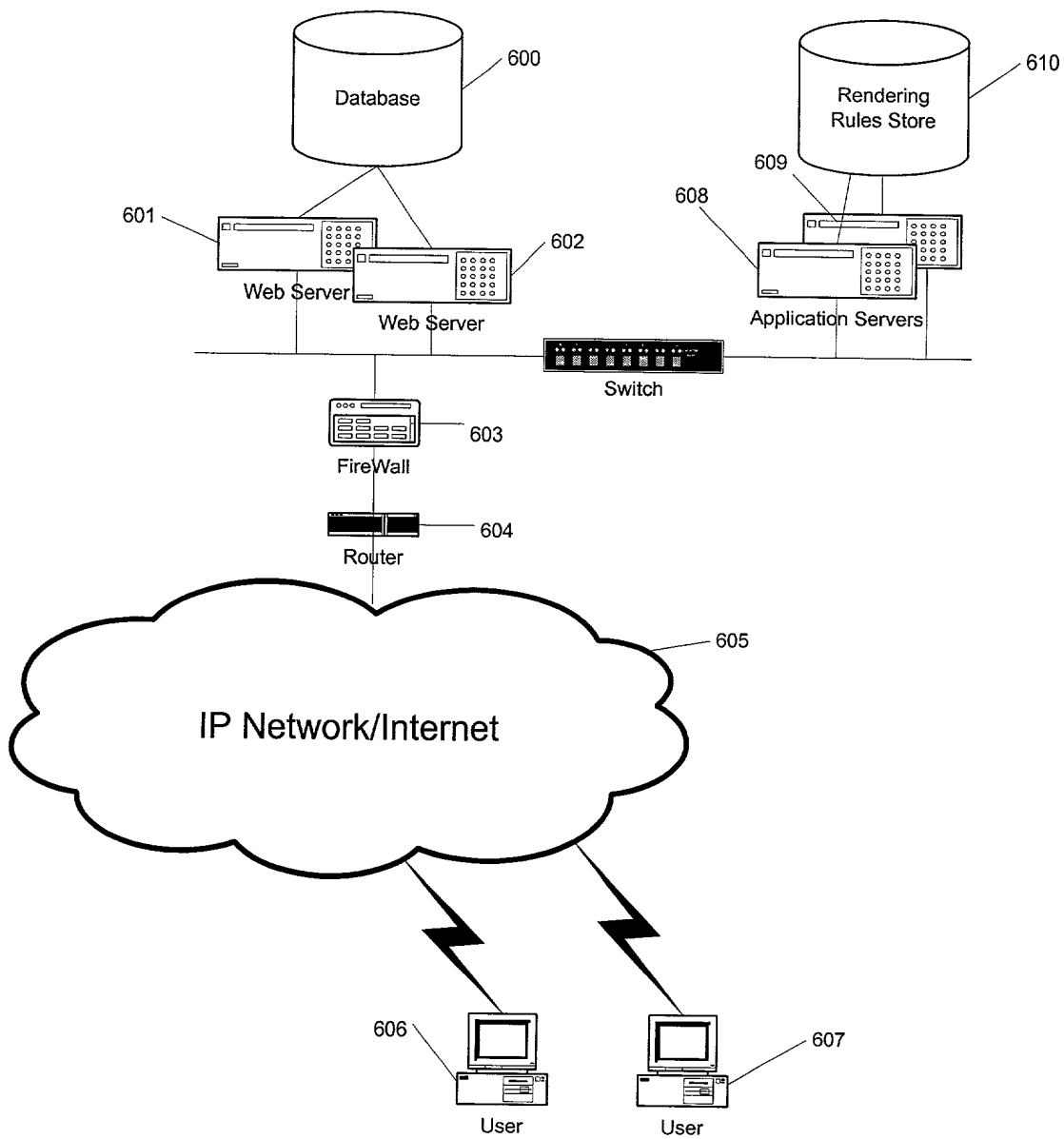


Figure 7

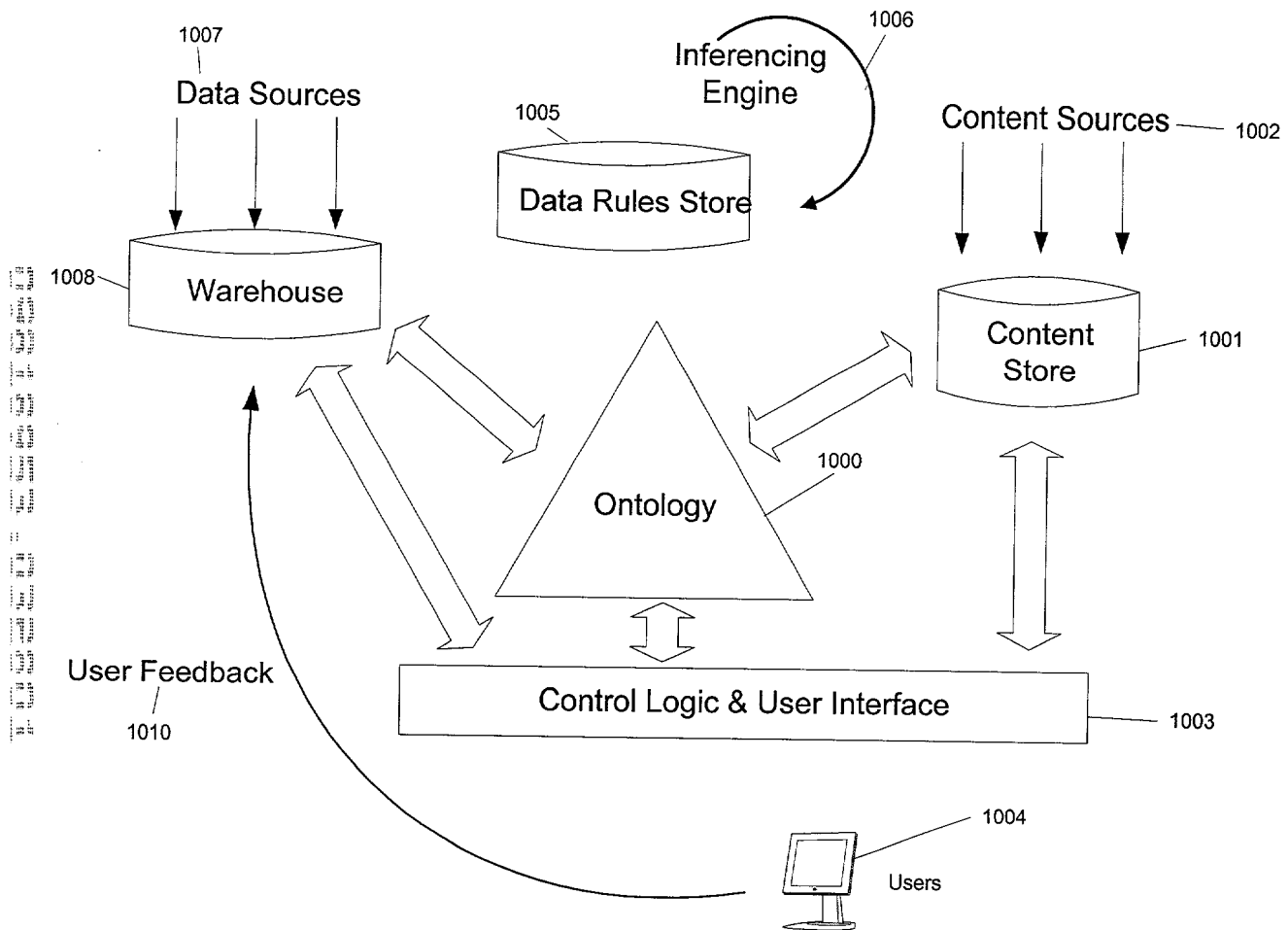


Figure 8

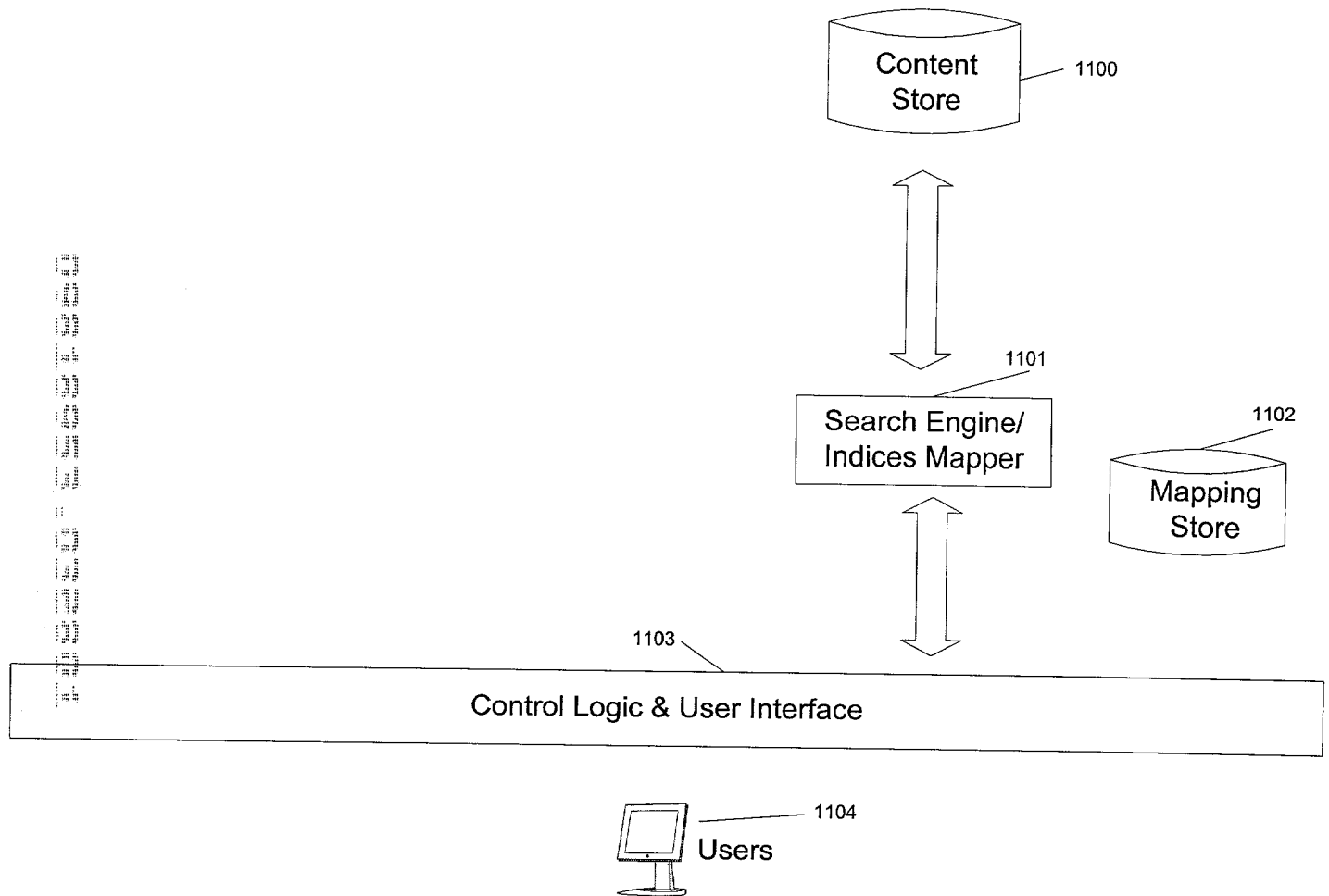


Figure 9

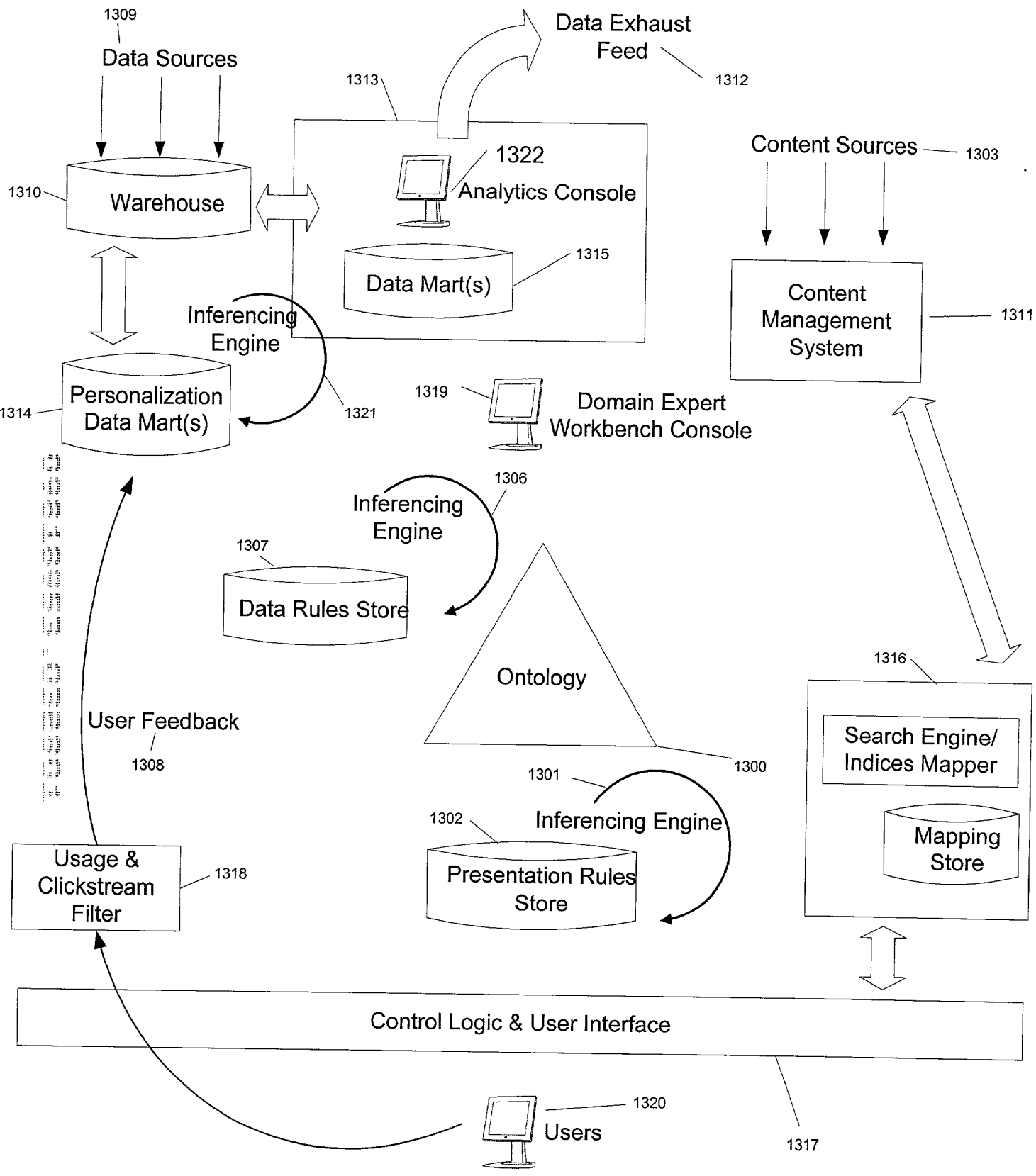


Figure 10

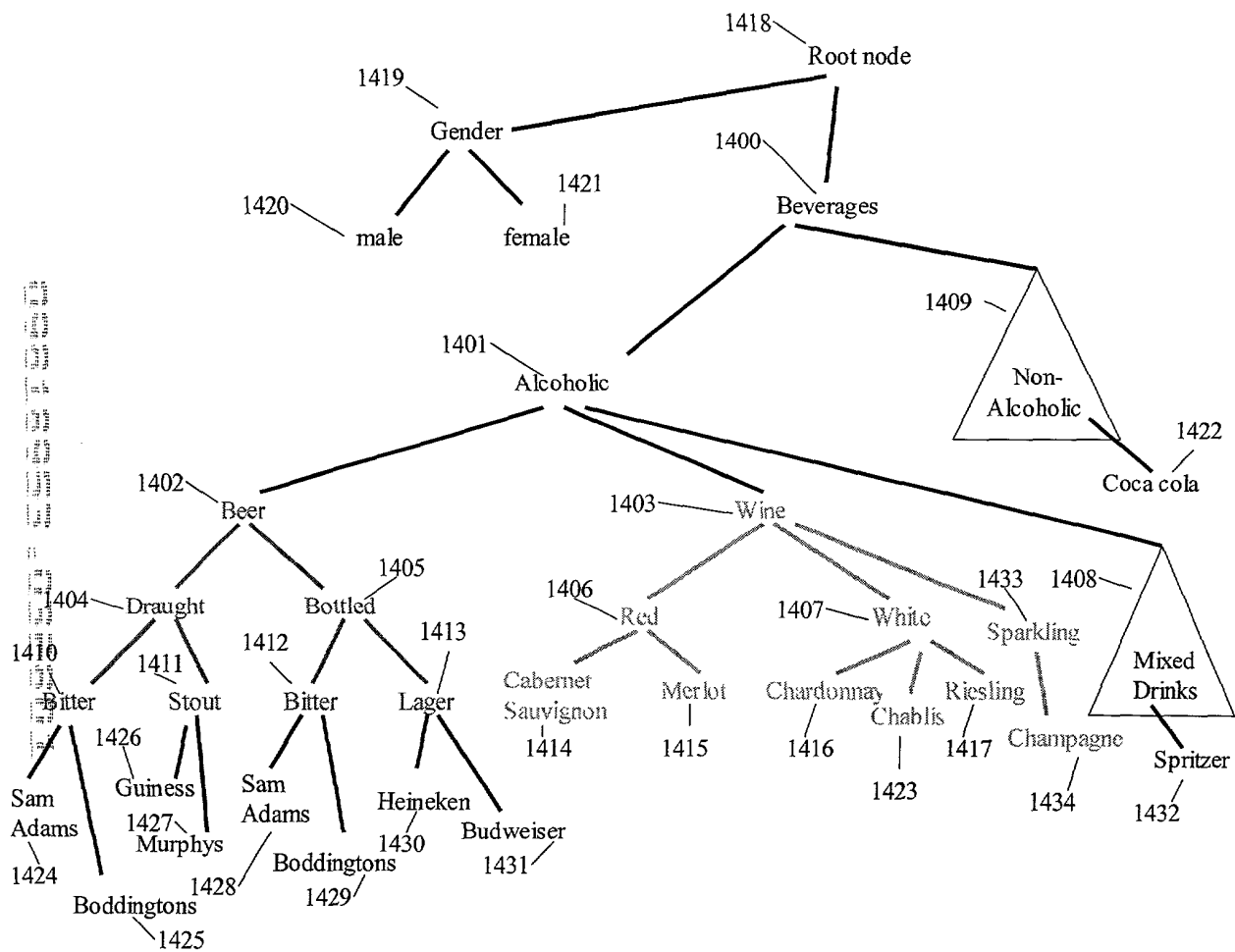


Figure 11

userid	source_data	click_stream	explicit_data
pstirpe	file3542	pstirpe_cs	pstirpe_e
bpinfol	file3542	bpinfol_cs	bpinfol_e
mantico	file3546	mantico_cs	mantico_e
tslavin	file3549	tslavin_cs	tslavin_e
jdoe	file3542	jdoe_cs	jdoe_e

Figure 12


```

<stories>
  <story>
    <title>Best Champagnes from Napa Vally</title>
    <author>J. Pain</author>
    <body>So, you think the best Champagnes are French, Well here are some alternative great
champanges...
    </body>
    <date>03/22/01</date>
    <tags>
      <tag>
        <nodeid>1434</nodeid>
        <label>champagne</label>
        <weight>5</weight>
      </tag>
    </tags>
  </story>
  <story>
    <title>Is there Life after White Wine?</title>
    <author>Jame T. Hathaway</author>
    <body>Although you may love white wine, you may not be considering a wonderful alternative,
namely Champagne...
    </body>
    <date>1/23/01</date>
    <tags>
      <tag>
        <nodeid>1407</nodeid>
        <label>White</label>
        <weight>4</weight>
      </tag>
      <tag>
        <nodeid>1434</nodeid>
        <label>champagne</label>
        <weight>7</weight>
      </tag>
    </tags>
  </story>
</stories>

```

Figure 15

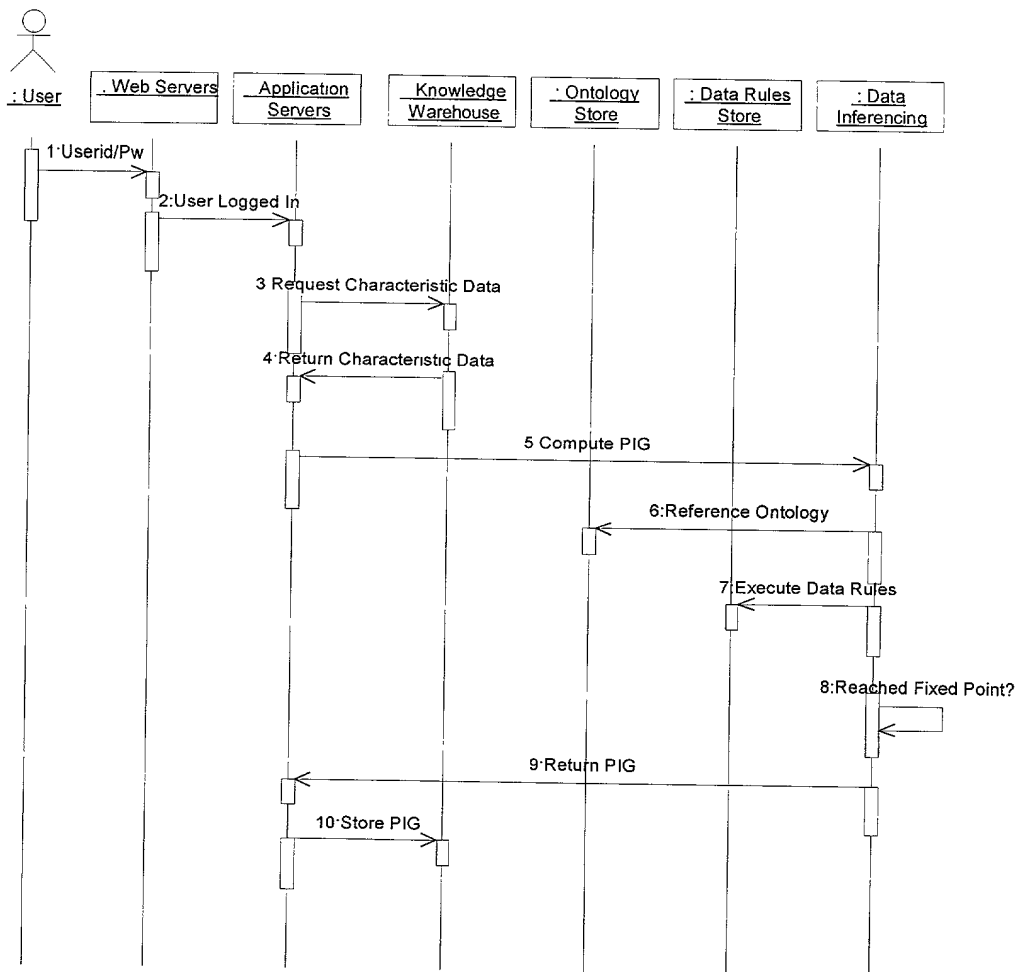


Figure 16

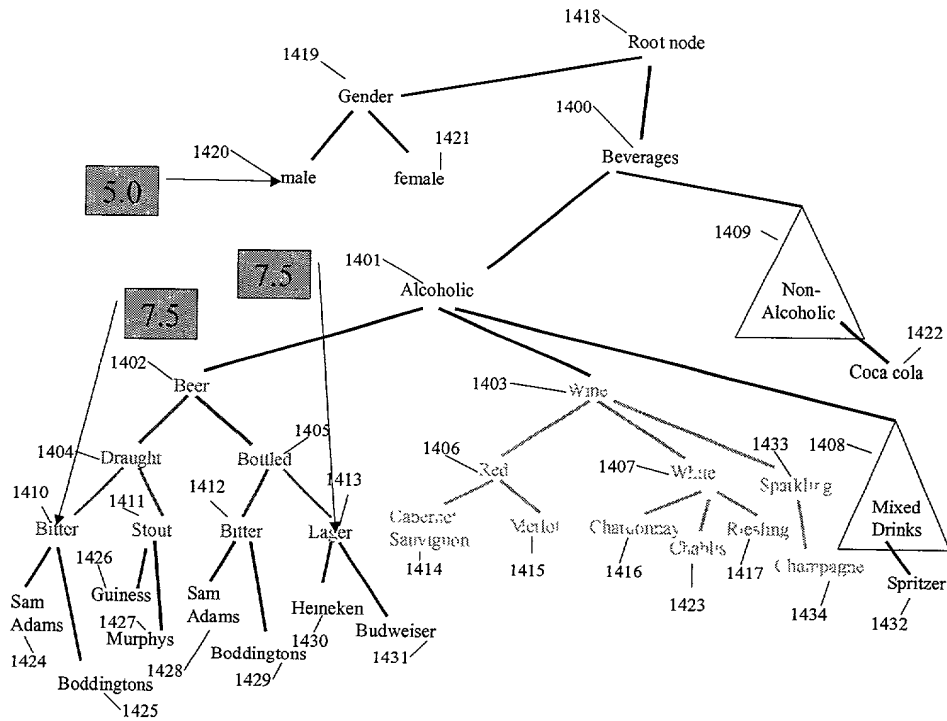


Figure 17

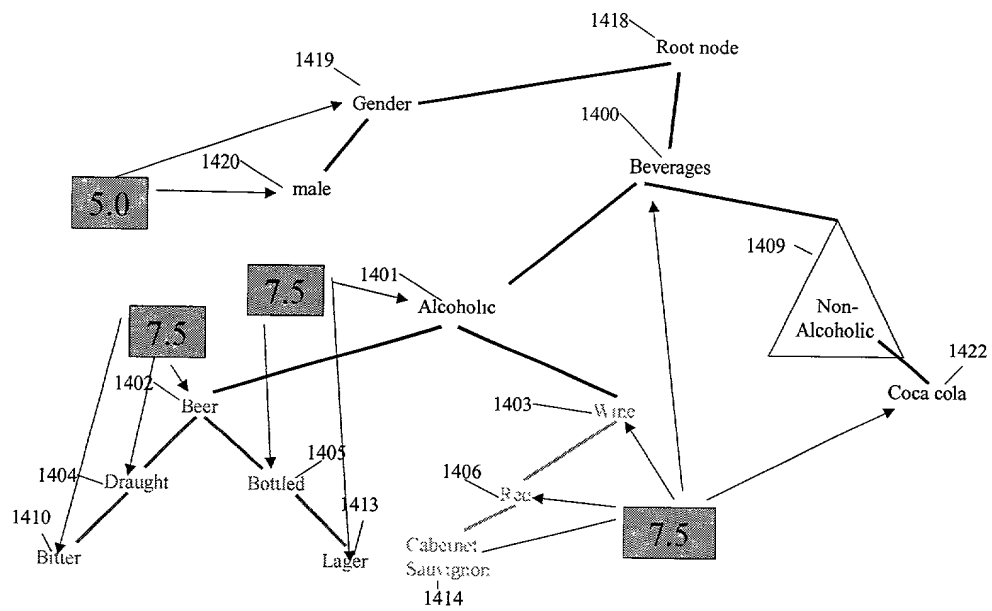


Figure 18


```

<implicit>
  <clickstream>
    <userid>pstirpe</userid>
    <tags>
      <tag>
        <nodeid>1410</nodeid>
        <label>Bitter</label>
        <date>02/15/01</date>
        <weight>8.5</weight>
      </tag>
      <tag>
        <nodeid>1413</nodeid>
        <label>Bitter</label>
        <date>02/15/01</date>
        <weight>8.5</weight>
      </tag>
    </tags>
  </clickstream>
</implicit>

```

Figure 20

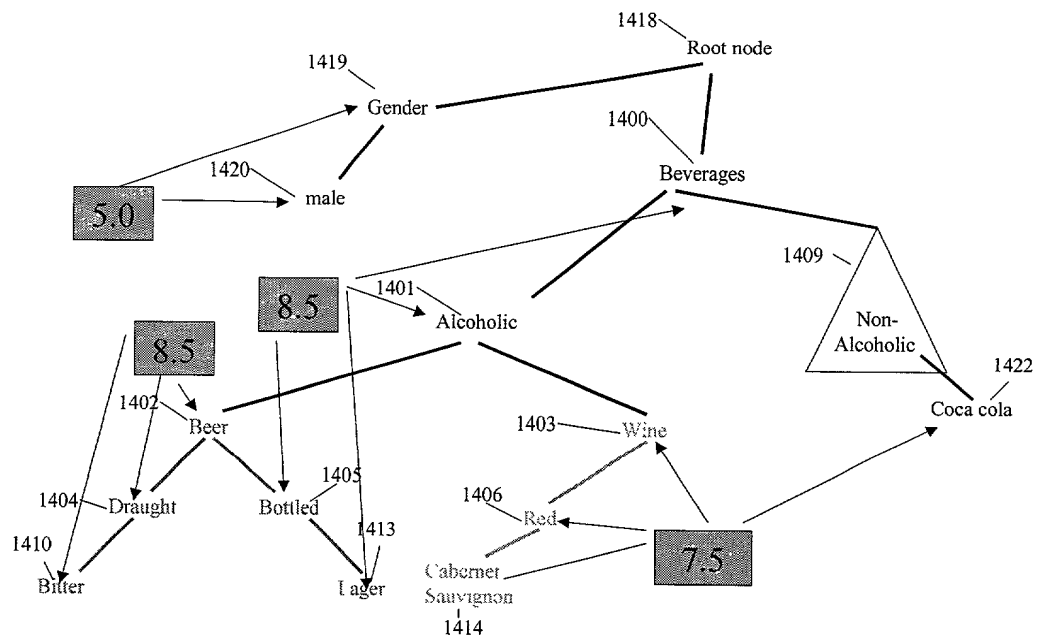


Figure 21

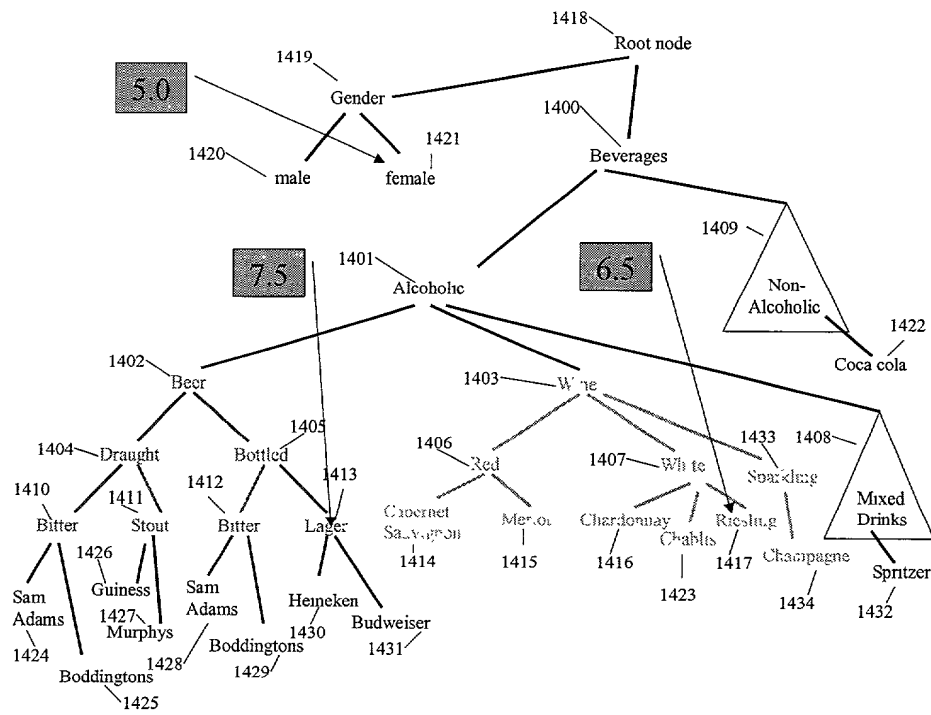


Figure 22

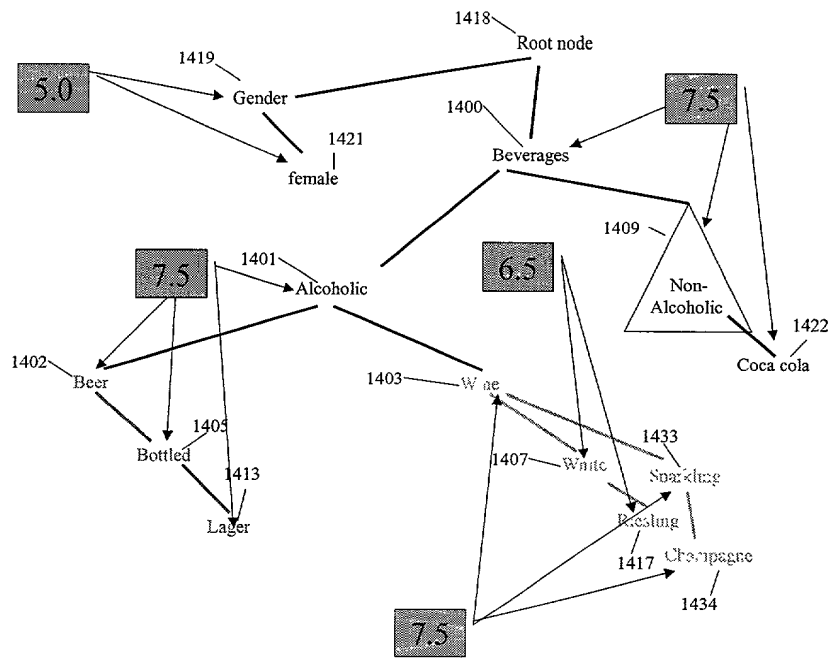


Figure 23

```
<explicit>
<userid>jdoe</userid>
  <tags>
    <tag>
      <nodeid>1425</nodeid>
      <label>Boddingtons</label>
      <date>02/15/01</date>
      <weight>9.5</weight>
    </tag>
  </tags>
</explicit>
```

Figure 24

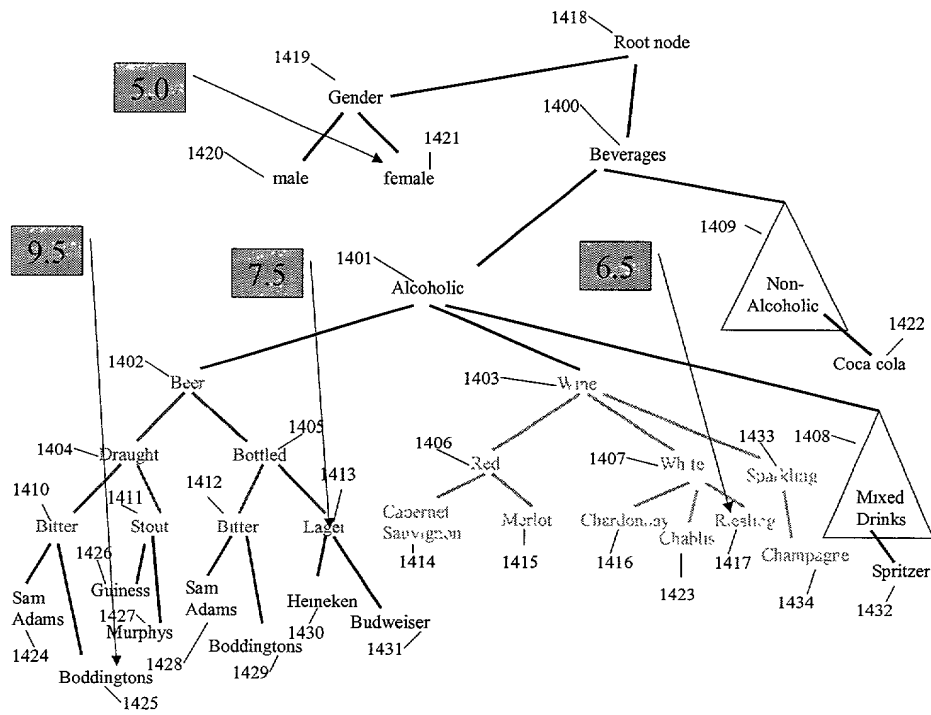


Figure 25

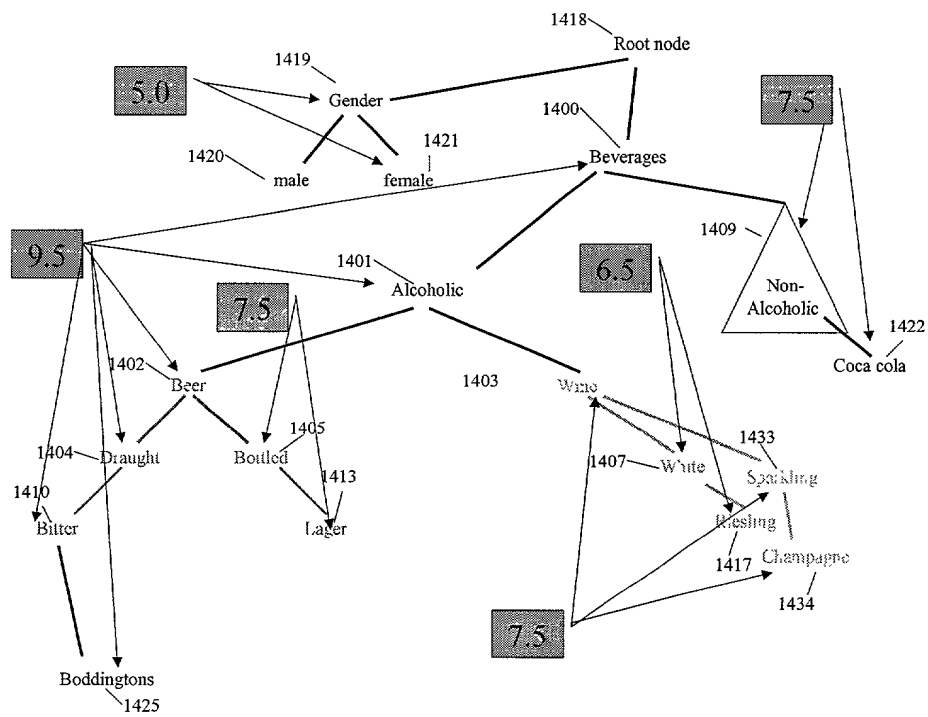


Figure 26

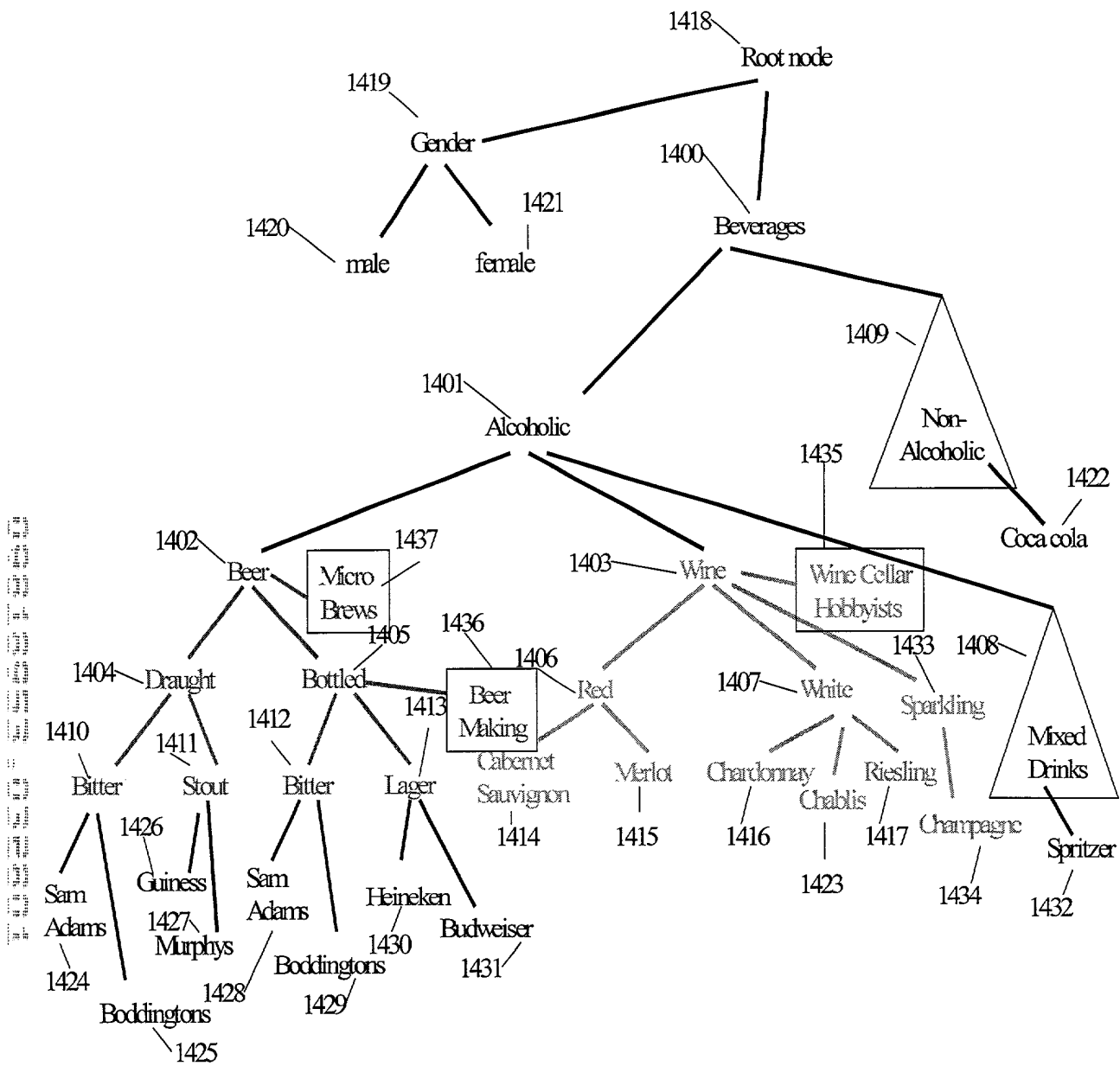


Figure 27